

Curriculum Vitae

Peter Mulder

Personal

Last name: Mulder
First name: Peter
Place of birth: Amersfoort, The Netherlands
Date of birth: 28 September 1974
Nationality: Dutch



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SHORT CV

Dr. Peter Mulder (1974) holds degrees in economics (MSc. and Ph.D.) from the VU University Amsterdam, The Netherlands. He wrote his Ph.D thesis on the Economics of Energy Efficiency at the Institute for Environmental Studies (IVM) of the VU University Amsterdam and the CPB Netherlands Bureau for Economic Policy Analysis. After obtaining his Ph.D. in 2003 he has been an associate research scholar at the International Institute for Applied Systems Analysis (IIASA) in Laxenburg, Austria, and a post-doctoral researcher at the Department of Spatial Economics of VU University Amsterdam.

In 2005 he temporarily interrupted academic life to work in Mozambique as a consultant/energy economist for the Danish International Development Agency (Danida), based at the Ministry of Planning & Development and the Ministry of Energy of the Government of Mozambique. His work in Mozambique included capacity building, initiating and constructing the Energy Statistics of Mozambique, applied economic research on fuel prices, electricity taxation, rural electrification and natural resource exploration, as well as assisting the Ministry of Energy in drafting a new national strategy for the energy sector.

In 2007 he returned to the Department of Spatial Economics of VU University Amsterdam where he currently is an assistant professor. His research interests include urban economics, regional economics, energy-economic issues, economic growth and development.

LONG CV

Education

- 1998 – 2003: Ph.D. in Economics, VU University Amsterdam; PhD received at Nov. 6th, 2003.
Thesis: On the Economics of Technology Diffusion and Energy Efficiency
Supervisors: Prof.dr. Frank A.G. den Butter, Prof.dr. Peter Nijkamp,
Dr. Henri L.F. de Groot, Dr. Marjan W. Hofkes
- 1992 – 1998: Masters (MSc) in Economics, VU University Amsterdam.
Major fields: Macroeconomics, Environmental Economics.
Supervisor: Prof.dr. Jeroen C.J.M. van den Bergh
- 2007 – 2008: Academic Teaching Qualification Course (BUD), VU University Amsterdam
- 1997 – 2011: Courses and Programmes:
- Theory and Practice of Spatial Econometrics
 - International Trade, Growth and the Environment (NAKE Economics Network)
 - Macroeconomics (Tinbergen Institute)
 - Introductory Econometrics (Tinbergen Institute)
 - Mathematical Methods for Economists (Tinbergen Institute)
 - Methodological Issues in Economic Research (Tinbergen Institute)
 - Microeconomics of Innovation and Technology Management (European Doctoral Training Programme ETIC, Strasbourg)
 - Evolutionary Modeling of Technical Change and Economic Dynamics (European Doctoral Training Programme ETIC, Strasbourg)
 - Environmental Research in Context (SENSE Environmental Research School)
 - International Summer School on Economics, Innovation, Technological Progress and Environmental Policy, Seeon, Germany (September 2001)
 - Young Scientists Summer Programme, International Institute for Applied System Analysis (IIASA), Laxenburg, Austria. (Summer 1997)

Employment history

- 2007 – present Assistant Professor
Department of Spatial Economics, VU University Amsterdam, The Netherlands
- 2011 Visiting Assistant Professor
Department of Agricultural Economics, Purdue University, Indiana, USA
- 2005 – 2007 Consultant/Energy Economist
Danish International Development Agency (Danida). Based at Ministry of Energy and Ministry of Planning and Development, Maputo, Mozambique.
- 2004 – 2005 Post-Doctoral Researcher
Department of Spatial Economics, VU University Amsterdam, The Netherlands
- 2003 – 2004 Associate Post-Doctoral Research Scholar
International Institute for Applied Systems Analysis (IIASA), Laxenburg, Austria
- 1998 – 2003 Junior Researcher / Ph.D. candidate
Institute for Environmental Studies (IVM), VU University Amsterdam, and
CPB Netherlands Bureau for Economic Policy Analysis, The Hague, The Netherlands

Main publications

- Mulder, P., H.L.F. de Groot and B. Pfeiffer (2014), Dynamics and determinants of energy intensity in the service sector: A cross-country analysis, 1980–2005, *Ecological Economics* xx, pp. xx-xx (forthcoming)
- Andadari, R.K., Mulder, P. and P. Rietveld (2014), Energy poverty reduction by fuel switching. Impact evaluation of the LPG conversion program in Indonesia, *Energy Policy* 66, pp. 436–449
- Bakens, J., P. Mulder and P. Nijkamp (2013), Economic impacts of cultural diversity in The Netherlands: productivity, utility and sorting, *Journal of Regional Science* 53, pp. 8-36.
- Mulder, P. and H.L.F. de Groot (2013), Dutch Sectoral Energy Intensity Developments in International Perspective, 1987–2005, *Energy Policy* 52, pp. 501-512
- Mulder, P. and H.L.F. de Groot (2012), Structural Change and Convergence of Energy Intensity Across OECD Countries, 1970–2005, *Energy Economics* 34, pp. 1910–1921
- Florax, R.J.G.M., H.L.F. de Groot and P. Mulder (2011). *Improving Energy Efficiency through Technology: Trends, Investment Behaviour and Policy Design*, Cheltenham: Edward Elgar.
- Mulder, P., Florax, R.J.G.M. and H.L.F. de Groot (2011). A Spatial Perspective on Global Energy Productivity Trends, in: R.J.G.M. Florax, H.L.F. de Groot and P. Mulder (eds), *Improving Energy Efficiency through Technology: Trends, Investment Behaviour and Policy Design*, Edward Elgar, Cheltenham, 2011.
- Mulder, P. and H.L.F. de Groot (2011). Energy Productivity Performance Across 14 OECD Countries: The Role of Energy-Extensive Sectors, in: R.J.G.M. Florax, H.L.F. de Groot and P. Mulder (eds), *Improving Energy Efficiency through Technology: Trends, Investment Behaviour and Policy Design*, Edward Elgar, Cheltenham, 2011.
- Bucuane, A.J. and P. Mulder (2009), Prospects for an Electricity Tax, in: Arndt, C. and F. Tarp (eds.), *Taxation in a Low-Income Economy – The case of Mozambique*, pp.302-327. London/NewYork: Routledge.
- Bucuane, A.J. and P. Mulder (2009), Expanding exploitation of natural resources in Mozambique: Will it be a blessing or a curse?, in: Brito, L. de, C. Castel-Branco, S. Chichava and A. Fransisco (eds.), *Reflecting on Economic Questions*, pp. 104-153. Maputo: IESE.
- Mulder, P. and J. Tembe (2008), Rural Electrification in an Imperfect World: A case study from Mozambique, *Energy Policy*, 36, pp. 2785-2794.
- Mulder, P., H.L.F. de Groot (2007), Sectoral Energy- and Labour Productivity Convergence, *Environmental and Resource Economics* 36, pp. 85-112.
- Miketa, A. and P. Mulder (2005), Energy-Productivity Across Developed and Developing Countries in 10 Manufacturing Sectors: Patterns of Growth and Convergence, *Energy Economics* 27, pp 429-453.
- Mulder, P. (2005). *The Economics of Technology Diffusion and Energy Efficiency*. Cheltenham: Edward Elgar.
- De Groot, H.L.F., M.W. Hofkes and P. Mulder (2004), A Vintage Model of Technology Diffusion: The effects of learning-by-doing and returns to diversity, in: Brakman and Heijdra (eds), *The Monopolistic Competition Revolution in Retrospect*, pp.356-372. Cambridge: Cambridge University Press.
- Mulder, P., H.L.F. de Groot and M.W. Hofkes (2003), Explaining Slow Diffusion of Energy-Saving Technologies. A vintage model with returns to diversity and learning-by-using, *Resource and Energy Economics* 25, pp.105-126.
- Mulder, P., H.L.F. de Groot and M.W. Hofkes (2003), Economic Growth and Technological Change. A comparison of insights from a neo-classical and evolutionary perspective, *Technological Forecasting and Social Change* 68, pp.110-134.
- Mulder, P. and J.C.J.M. van den Bergh (2001), Evolutionary Economic Theories of Sustainable Development, *Growth and Change* 32, pp.110-134.

Teaching

- Urban Economics (bachelor-level), VU University Amsterdam, The Netherlands
- Microeconomics (bachelor-level), VU University Amsterdam, The Netherlands
- Regional Economics (bachelor-level), VU University Amsterdam, The Netherlands
- Sustainable City (bachelor-level), Amsterdam University College Amsterdam, The Netherlands
- Urban Economics (bachelor-level), Amsterdam University College Amsterdam, The Netherlands
- International Economic Development (bachelor-level), Purdue University, USA
- Training Long range Energy Alternatives Planning System (LEAP), Maputo, Mozambique
- Environmental Economics (master-level), Catholic University Mozambique (UCM), Beira

Student evaluations

<i>Scale 1 – 5</i>	Instructor rating¹ (max 5)	University Mean (max 5)	University 67% interval ² (mean +/- 1 sd)	Course rating¹ (max 5)	University Mean (max 5)	University 67% interval ² (mean +/- 1 sd)
Urban Economics (VU)						
2013	4,40	3,89	3,42 – 4,36	4,13	3,88	3,47 – 4,29
2012	4,50	3,89	3,42 – 4,36	4,10	3,88	3,47 – 4,29
2011	3,90	3,89	3,42 – 4,36	3,63	3,88	3,47 – 4,29
Sustainable City (AUC)						
2013						
Urban Economics (AUC)						
2012	4,60	4,00	3,42 – 4,57	4,20	3,84	3,23 – 4,45
2011	4,56	4,00	3,42 – 4,57	4,33	3,84	3,23 – 4,45
Regional Economics (VU)						
2013	4,64	3,89	3,42 – 4,36	4,34	3,88	3,47 – 4,29
2010	4,47	3,89	3,42 – 4,36	4,10	3,88	3,47 – 4,29
Microeconomics (VU)						
2013	4,35	3,89	3,42 – 4,36	3,84	3,88	3,47 – 4,29
International Economic Development (Purdue)						
2011	4,10	?	?	3,80	?	?

Supervision PhD students

Jessie Bakens, Gilberto Mahumane, Isfandiarni Soenarto Rosidin

PhD dissertation committee

Haroon Sheikh (VU University Amsterdam)

Guest Editor

Spatial Economic Analysis 7 (3), 2012. Special Issue: Modelling Innovation, Entrepreneurship and Regional Development (with Peter Nijkamp and Roger Stough)

Referee Work

Applied Energy, Ecological Economics, Energy Journal, Energy Economics, Energy Policy, Journal of Economic Growth, Journal of Environmental Economics and Management, Journal of Regional Science, Papers in Regional Science, Journal of Regional Science and Urban Economics, Resource and Energy Economics, Spatial Economic Analysis

Consultancy and applied economic research

2009, 2011, 2012

- Training LEAP Energy Planning System, Ministry of Energy, Maputo, Mozambique
- Modeling Energy Sector Mozambique, Eduardo Mondlane University, Maputo, Mozambique
- Update Energy Statistics Mozambique, Ministry of Energy and Eduardo Mondlane University, Maputo, Mozambique

2007

- *Draft Strategy for the Energy Sector in Mozambique*, Maputo: Ministry of Energy.
- *Energy Outlook for Mozambique*, Maputo: Ministry of Planning and Development, DNEAP Discussion Paper No.53E.
- *Exploring Natural Resources in Mozambique. Will it be a blessing or a curse?*, Maputo: Ministry of Planning and Development, DNEAP Discussion Paper No.54E. (with A. Bucuane)

2006

- *Energy Statistics 2006*, Maputo: Ministry of Energy.
- *Energy Statistics 2000-2005*, Maputo: Ministry of Energy.
- *Exploring an Electricity Tax on Mega Projects in Mozambique*, Maputo: Ministry of Planning and Development, DNEAP Discussion Paper No.37E. (with A. Bucuane)
- *Rural Electrification in Mozambique (a Cost-Benefit Analysis)*, Maputo: Ministry of Planning and Development, DNEAP Discussion Paper No.36E. (with J. Tembe)

2005

- *Impact of the Oil Price Increase on the Mozambican Economy* (in Portuguese), Maputo: Ministry of Planning and Development, DNEAP Discussion Papers No.19P. (with C. Arndt, L. Matsinhe, E. Paulo and J.E. Van Dunem)

Contributions to International Conferences

- North American Regional Science Council, Atlanta, USA, November 2013
- International Energy Workshop, Cape Town, South Africa, June 2012
- North American Regional Science Council, Miami, USA, November 2011
- European Regional Science Association, Barcelona, Spain, August 2011
- International Energy Workshop, Stockholm, Sweden, June 2010
- WIOD Conference on Industry-Level Analyses of Globalization and its Consequences, Vienna, Austria, May 2010
- North American Regional Science Council, San Francisco, USA, November 2009
- Stanford Energy Modeling Forum, Working Group 25, Washington DC, USA, November 2008
- International Energy Workshop, IIASA, Cape Town, South Africa, June 2006
- Annual Congress of the European Regional Science Association, Porto, Portugal, August 2004
- Monte Verità Conference on Sustainable Resource Use and Economic Dynamics, Ascona, Switzerland, June 2004
- International Energy Workshop, IIASA, Austria, June 2003
- 2nd World Congress of Environmental and Resource Economists, Monterey, USA, June 2002.
- International Energy Workshop, Stanford University, USA, June 2002
- Annual Congress of the European Association of Environmental and Resource Economists, Southampton, UK, June 2001

- Workshop 'Economic Modelling of Environmental Policy and Endogenous Technological Change', Royal Netherlands Academy of Arts and Sciences, Amsterdam, The Netherlands, November 2000
- International Energy Workshop, Stanford University, USA, June 2000
- Workshop 'Endogenous Growth Policy and Regional Development', Tinbergen Institute Amsterdam, The Netherlands, February 1999.

Languages

- Dutch (native), English (fluent), Portuguese (good), German (good)

Work in progress

- The Economics of Zipf's Law: a Meta-Analysis (with Henri de Groot)
- Industry Churning and the Spatial Evolution of Urban Areas in the U.S. (with Raymond Florax)
- The Economic Value of Ethnic Diversity in Cities (with Jessie Bakens and Raymond Florax)
- Ethnic Diversity and Population Dynamics across Neighborhoods (with Jessie Bakens)
- Energy Outlook for Mozambique (with Gilberto Mahumane and David Nadaud)
- Distance and Social-Economic Development in Mozambique (with Ramos Muanamoha and Marten Kamphorst)
- Regional Development in Indonesia (with Ifa Rosidin, Hengky Kurniawan and Henri de Groot)